

pf̄iBIND 2000 PUR

CLOSED TANK PUR PERFECT BINDER

p f i B I N D 2 0 0 0 P U R S P E C I F I C A T I O N S	
Length of the Document	3.15" to 13.38" (80 mm to 340 mm)
Thickness of the Document	0.04" to 1.57" (1 mm to 40 mm)
Minimum Book Size	3.54" x 3.15" (90 mm x 80 mm)
Cycle Speed	290
Patented Orbital PUR System	Closed Tank
Glue Application on the Spine	PUR
EasyLOAD PUR Cartridge	0.3 kg.
Paper Dust Collector	YES
Heat-up Time	20 to 25 minutes
Power Supply	110V 60Hz 18A
Air Compressor (Min. requirements)	90psi 5.0cfm
Weight	550 lb. (250 kg.)
Dimensions (L x W x H)	56.77" x 29.53" x 49.6" (1442 mm x 750 mm x 1260 mm)
Options and Supplies	PUR EasyLOAD Cartridge; Cleaner Cartridge

F I N E A D J U S T M E N T S	
Glue Temperature	YES
Glue Pressure	YES
Glue Cut Off	YES
Nipping Station Time	YES
Adjustable Book Block Position in the Cover	YES

*Production rates are based upon optimal conditions and may vary depending on stock and environmental conditions.
As part of our continuous product improvement program, specifications and descriptions are subject to change without notice.*

Duplo USA Corporation

3050 S. Daimler Street, Santa Ana, CA 92705 (949) 752-8222 (800) 255-1933 (949) 851-3054 fax www.duplousa.com

All rights reserved. No part of this document may be produced without permission of Duplo USA Corporation.

Duplo
from print to documents

pf̄iBIND 2000 PUR

CLOSED TANK PUR PERFECT BINDER

Precision orbital PUR System
EasyLoad PUR Cartridge
Sleek design
Heavy duty



Compact, Cost Effective, On Demand, High Quality PUR Perfect Binder

The pfiBIND 2000 PUR is the ideal solution for those printers who want to grow their business, produce high value jobs, increase productivity, and reduce costs.

SLEEK, HEAVY-DUTY DESIGN

The pfiBIND 2000 PUR is compact, robust and has an extremely appealing exterior that is highlighted with its stainless steel detailing and cool blue LED lighting.

TOUCH SCREEN CONTROL PANEL

The touch screen PC control panel allows the operator to customize the settings according to different jobs and the results that they want to achieve. The system's flexibility allows the operator to make fine adjustments to the glue cut off, book block position in the cover, and the amount of PUR glue applied to the spine.

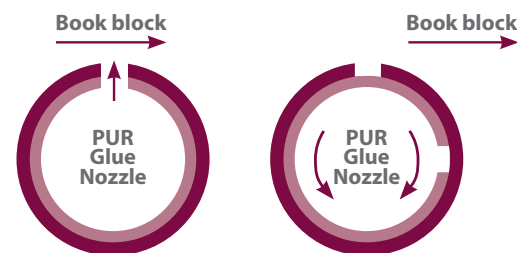
AUTO-MODE

The Auto Mode is a three step process. The operator must first load a cover. Second, load the book block into the clamp. A sensor verifies that a cover and a book block have been loaded. The Clamp automatically closes and moves the book block across the milling, notching and glue. The cover is then applied and nipped onto the book block. The final step is for the operator to hold the book block while the clamp moves back to the loading position and then remove the finished book.

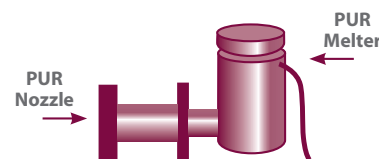
PRECISION ORBITAL PUR SYSTEM (P.O.P.S.)

The latest closed tank technology is designed to minimize PUR waste by applying the PUR glue with precision and

accuracy to each book block. Extremely easy to clean and maintain, the pfiBIND 2000 PUR is a cost effective solution that saves time and money.



The PUR nozzle consists of two circular orbits with a slot on each. When the sensor near the nozzle detects the book block, the slot on both orbits align and the PUR glue is precisely and accurately applied. When the book block moves away, the slot on the inner orbit moves and seals the PUR glue. The inner nozzle shuts off or switches on the PUR glue with extreme speed and accuracy while maintaining constant pressure and benchmarking the quality.



The distance between the PUR glue melter and the PUR nozzle is less than 8". This is a major advantage for the

pfiBIND 2000 PUR FEATURES

- Sleek, heavy-duty construction
- User friendly touch screen control panel
- Up to 290 cycles/hr
- EasyLOAD PUR glue cartridge
- Heavy duty milling and notching
- Precision orbital PUR system (P.O.P.S.)

pfiBIND 2000 PUR. Minimizing the distance from the melter to the nozzle helps maintain better control of the glue viscosity, temperature, and pressure. This creates the ideal conditions for the PUR glue and drastically reduces the potential for glue deterioration.

PRODUCTIVITY

The pfiBIND 2000 PUR operates at 290 cycles an hour and the start-up time is just 20 to 25 minutes. The cleaning time is just 5 to 10 minutes at the end of the day or shift. The result makes the pfiBIND 2000 PUR the most productive binder in its category.

MEDIA TYPES

The pfiBIND 2000 PUR can handle a wide variety of media types such as plastic, foil, thick carton, cardboard, sticky substrate, UV coated or laminated stock, to mention just a few.

SPINE PREPARATION TOOL

The pfiBIND 2000 PUR is equipped with a motorized heavy duty milling and notching tool. The spine preparation

tool removes 0.5mm from the spine of the book block and roughens the spine surface ready for the glue application.

EASYLOAD CARTRIDGE SYSTEM

This is a solution unique to the pfiBIND 2000 PUR. The EasyLOAD cartridge system utilizes a screw fit mechanism for both the PUR and cleaner cartridge.

A single EasyLOAD cartridge holds 0.3kg of PUR. This enables the operator to produce up to 230 A4 books with 5mm spines. Furthermore, the PUR cartridge can last for more than two weeks in the system. This means the operator does not have to change the cartridge or throw expensive PUR glue away every day.

PAPER DUST

Paper dust is safely and cleanly removed by an external heavy duty motor and collection bag. When the bag is full, it can simply be removed.

pfiBIND 2000 PUR WORKFLOW

1. Place cover in nipping station
2. Insert book block in clamp
3. Spine preparation with milling, notching, and micro notching
4. PUR application on the spine and the sides by nozzle
5. Book block and cover are bound together in the nipping station

